## **Other States Water Quality Criteria for Turbidity**



For the Water Quality Standards Advisory Committee October 13, 2011

How the Turbidity Criteria Information was Collected

- For New England and New York we found the actual law/rule for turbidity for each state and consulted state web sites and officials as needed
- > For the other states we used the EPA and Oregon turbidity summaries and consulted state web sites and officials as needed

## New England States and New York

- > Connecticut, Rhode Island, Vermont, and New Hampshire all have numeric turbidity criteria between 5 and 25 NTU
- Vermont's criteria are based on annual average turbidity under dry base-flow conditions
- Massachusetts, Maine, and New York have narrative criteria for turbidity
- Maine regulates construction runoff through the Erosion and Sedimentation Control Law
- New Hampshire's turbidity criteria for class A waters of 'none unless naturally occurring is the most stringent for the Northeastern States

## Other States

(Table 2)

- Many states have different numeric turbidity criteria for different water bodies or designated uses
- Ranges for numeric turbidity criteria are given in units of NTU or percent change from background
- Some state turbidity criteria are based on suspended sediment concentrations in units of mg/L
- A majority of states evaluate turbidity in terms of increase relative to background levels using absolute increase (not greater than 10 NTU above background) or relative increase (10 percent above background)

## Other States Continued

- > The magnitude of allowable excursion from background ranges from 1 to 50 NTU and 2 to 20 percent
- > The higher criteria (>50 NTU) typically correspond to either acute, "not to exceed" thresholds or to coastal or large river environments
- > A few states define the frequency and duration of allowable
- Having different criteria for acute and chronic exposures is the most common approach to regulating turbidity based on frequency of exposure